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DIGITALWAY

mpio

designing your digital dream

FD100

User's Guide

<FD100> User's Guide

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Please read all instructions in this User's Guide before using the player.

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Designing Your Digital Dream ..... mpio

Thanks for your purchasing Digitalway MPIO. This manual provides you with the method of operation and caution. Be sure to read this manual before using this product.

Digitalway will always try to make better product.

What is MPIO?
This means our own brand of Digitalway including MP3 player and other portable digital audio.

DIGITALWAY

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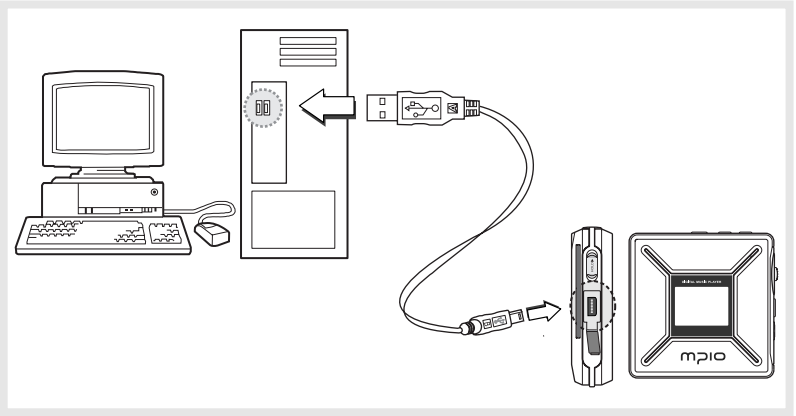
1 MPIO Introduction

1. What is MP3 player?

- MP3 Player is a device plays mp3 file, known to the general public as a digital audio format. You can listen to music by downloading mp3 files stored on the PC to the MP3 Player.



- In order to download music to the MP3 Player;
  1. Install MPIO Manager 2 of the Install CD in the computer. (Refer to the Page 45)
     - MPIO Manager 2 is the Communication Window between the computer and MP3 Player.
  2. Connect the PC to the MP3 Player with a cable.
  3. Through MPIO Manager 2, music files stored on the PC is downloaded to the MP3 Player.. (Refer to the Page 52)

2. Special Features

1. Folder Save & Play Function
- You can store files by the unit of genre/artist/album by downloading and maintaining the data by the folder unit in addition to by the file unit. You can listen to music by selecting the specified folder.

2. Power Equalizer
- It provides the user mode, in which you can set the 7 EQ Mode (Flat, Pop, Rock, Jazz, Classic, Vocal, Dynamic Bass) and 5 levels of frequency range according to the music.

3. 4Line Graphic LCD & LED Backlight
- You can check file information stored in the device and the running status of the device with the 4 Line Graphic LCD adopted which realizes 'Iconization' of the Menu. The LED Backlight enables you to check the LCD information with ease at night.

4. 1Line Graphic LCD Remote Control & LED Backlight
- You can see information display on the LCD of the main body, using LCD the remote control that adopts LCD and the LED Backlight enables you to check the LCD information with ease at night.

5. Multi-Format Player
- This is a Multi-Format Support Player can play WMA, ASF file in addition to the MP3 file.

TIP

[MP3]
As an abbreviation for MPEG 1 Layer 3, MP3 is an audio compression format that enables WAV files to be compressed to about 1/12 of its original size, while maintaining their original sound quality.

[WMA]
WMA (Windows Media Audio), Microsoft's Music File Compression Format has the same quality of music as MP3, with half of the data compression rate (about 22 to 1) of MP3 (about 12 to 1)

[ASF]
ASF (Advanced Streaming Format) is Microsoft's Data Format for multimedia file (MPG, AVI etc.) transfer.

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6. FM Radio Function
- You can listen to the radio with the device mounted FM receiver and record the received FM.

7. Macintosh Support
- It gives consideration to the Macintosh User, supporting iTunes Plug-In.

8. Power Menu Function
- You can setup various Menu Functions (Folder Mode, System etc.) of the Player using Joy Stick Key.

9. SMC Expansion Slot Mounted Device
- You can use the maximum 128MB of external memory with SMC Slot, widely used as an Memory Card mounted on the device.

10. USB Data Transfer
- USB cable enables you to access to the computer easily and to transfer music data at a high rate of speed.

11. Data Store Function
- You can use this as the Data Storage by storing general data in addition to music files, according to the usages.

12. Firmware Upgrade
- The product's function will be improved with the Firmware Upgrade Support.

TIP

[Firmware]
Firmware is programming that is inserted into the hardware and operates various functions of the hardware. If you don't have a Firmware, you can not use the device with the un-operable hardware.

13. Real Networks Qualifying Software Supply
- Qualifying Software of Real Networks known for its Real Player will be provided. You can create, manage and play digital music libraries through with RealOne Player, a Personal Music Management System. Besides it provides the function transforming an audio CD to MP3 file.

14. Navigation Function
- You can search & play music while playing a music file.

15. Study Mode
- Speed control & Easy Finder function necessary for language study are provided.

16. Voice Record Support
- You can record lecture & conference etc.

17. 4 Languages Menu Support
- The FD100 Menu Item is provided in English, Korea, Japanese and Chinese.

18. World Language Support
- World Language Support enables you to find file names stored in each countries' language on the LCD.

19. Windows Plug-In Support
- When you install the Windows Plug-In, you can upload or download files by running Windows Media Player or RealOne Player, not MPIO Manager 2.

3. Technical Specifications

Model Name	MPIO FD100
Decoding Format	MP3(8~320kbps), WMA(5~192kbps), ASF
Internal Memory	64/128/256MB
Memory Card Socket	Smart Media Card (3.3V)
LCD	FSTN Type Graphic 4 Line LCD (Indigo Blue LED Backlight)
Language Supported	Languages of 36 countries
Language Displayed on the Menu	English/Korean/Japanese/Chinese
File Transfer Speed	Maximum 4.5Mbps
Earphone Output Power	12mW (R: 6mW, L: 6mW)
S/N Ratio	85 dB
THD	0.1%
Frequency Range	20 Hz ~ 20 KHz
Battery	AA Type Alkaline Battery AA Type Nickel Hydrogen Battery
Recording	Voice Record/FM Record
Maximum Playing Time	24hrs (MP3 file played with 128kbps)
FM Frequency Range	76 ~ 108 MHz
FM Output Power	10 mW (R:5 mW, L:5 mW)
FM S/N Ratio	45 dB
Dimensions/Weightt	66.5(W) x 66.5(H) x 17.5(D) mm/ 61g(without battery)

4. Computer Requirements

The basic specifications of the computer to use MPIO & supportable OS.

- IBM PC
  - Main Body: USB Interface (Rev 1.1) Standard Equipment & CD-
  - ROM Driver Mounted
  - CPU Pentium: above 133MHz
  - Memory: above 64MB
  - Available Hard Disk Space: above 20MB
  - Operation System Supported: Windows 98/ME/2000/XP
- Macintosh
  - Main Body: USB Interface (Rev V1.1) Standard Equipment & CD-ROM Driver Mounted
    EX) Power Mac G3 (Blue&White)/G4/G4 Cube, iMac/iBook, Powerbook, Powerbook G4
  - Memory: above 64MB
  - Available Hard Disk Space: above 20MB
  - Operation System Supported: Mac OS Version X(iTunes3 Plug-In)
    * Mac OS Version 8.62 ~9.2(iTunes2 Plug-In) is scheduled to be supplied on the MPIO's Web Site later.

⚠ Connection to the PC, using USB Hub & Extension Cord is not guaranteed.

5. Warning

You should be fully aware of the notice below, before using the product.

The company does not take the responsibility for the defect of the product (accessory, connecting device etc.), damage, data loss, accident & disorder etc., occurred from not fully understanding the notice below, so please be sure to check this notice.

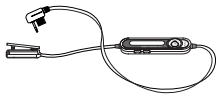
1. Do not use the product for the other purpose except for the matters described in the manual.
2. Pay attention not to hurt your hand while you touch a product box, manual, accessory etc. Keep the manual to use at any time.
3. Pay attention not to have a severe impact on the product, might cause a trouble or a damage.
4. Do not insert other objects into the SMC inserting hole, except for SMC.
5. Pay attention not to use the device or leave it alone in places with high temperature and humidity or of high thermal difference, and by the strong magnetic body.
6. Remember that liquid (water, beverage etc.) not leaked into the device.
7. The device that you discretionary disassembled or remodeled can not be provided with a free service and can be excluded from the service areas, so pay special attention to this.
8. The company does not take the responsibility for data loss cased by the defect of the product, misoperation and other reasons, so pay attention to this.
9. Check the polarity (+,-) of the battery when you use a battery.
10. Try not to injure you nail or not to be scratched by the edges when you open the battery cover.
11. Remove the battery when not in use. Leakage of battery might cause a trouble.
12. Pay attention not to use the earphone continuously for many hours that might cause a trouble.
13. Please plug or unplug the earphone and cable by holding the plugs not by pulling out the earphone or cable, to prevent internal line breaking.
14. When you plug the USB cable into the computer or device, please check again the direction of plugging it. In case the USB cable is plugged in the wrong way, the computer or the device might suffer trouble/damage.
15. Do not leave the USB cable plugged into the computer.
16. Do not give an impact to the connected part while the USB cable is connected to the device.
17. Pay attention not to leave the computer connected to the device with USB cable.
18. Maintain and keep clean the USB connection of the device.
19. When the device is covered with foreign particles, please wipe off it with soft cloth or clean towel and be careful not to use chemicals.

6. Accessories included with your MPIO FD100

MP3-Player

User's Manual

Product Installation CD



Remote Control

Earphone

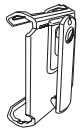
USB Cable

Wrist Strap

Dust Card

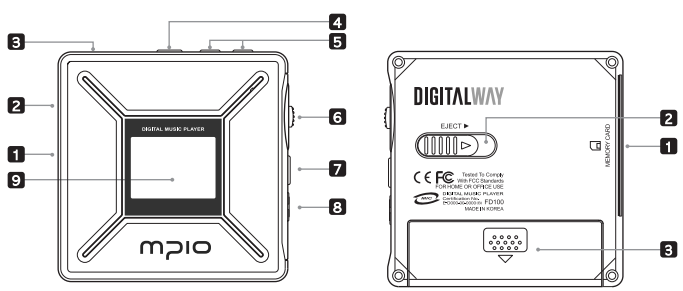
Pocket

Battery



Belt Clip

7. MPIO FD100 Control's Overview



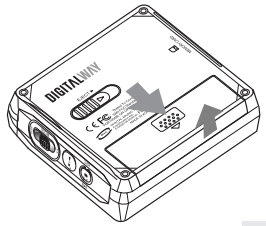
[Front]

1. USB Port - Access to the PC by connecting the USB cable.
2. Hold Slide - If you push the Hold Slide to the direction of the arrow, it will be changed into the locking status, not reacting to the button press. It prevents misoperation of the button while carrying the player with you.
3. Remote control & Earphone Jack
4. F Button - Playback/ FM Mode Switch & Move to the Upper Item in the menu state.
5. +, - Button - Control the volume.
6. Joy Stick Key - You can change the status of Music Switch and setup of each menu items.
7. Play/Pause Button - It has Power ON/OFF & Play/Pause functions.
8. REC Button - Performs Voice Record & Mark Replay functions.
9. LCD - It displays a file information and current setup status of menu.

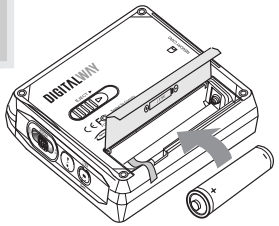
[Rear]

1. Smart Media Card Slot - Insert the Smart Media Card.
2. Eject Slide - Remove the Smart Media Card by pushing the button to the direction of the arrow.
3. Battery Cover - Open the battery cover and insert the battery while matching the polarity, and close the battery cover.

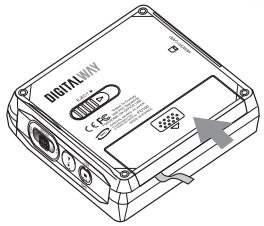
8. Battery installation



1. Open the Battery Cover by pushing the button to the direction of the arrow.

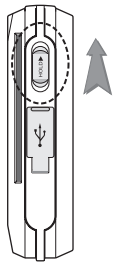


2. Insert an AA Type Alkaline Battery(AA Type Nickel Hydrogen Battery) while matching the polarity.



3. After adjusting the groove, close the battery cover by pushing it forward.

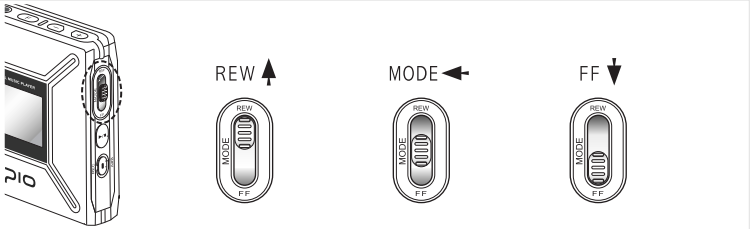
9. How to use Hold Slide



⚠ If you push the Hold Slide to the direction of the arrow, it will be changed into the locking status, not reacting to the button press. It prevents misoperation of the button while carrying the player with you. You can unlock the device by pushing the Hold Slide in the opposite direction of the arrow.

If you press a button on the device in the locking status, 'KEY HOLD' message will appear.

10. How to use Joy Stick Key

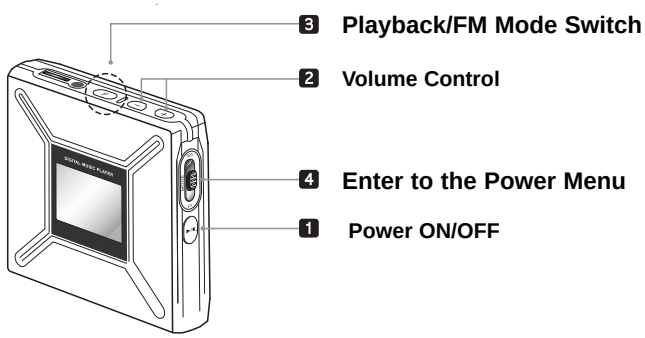


1. Joy Stick Key works as FF/REW or music switch when it is pulled Downward/Upward.

2. When the Joy Stick Key is placed at the center and pressed for long, it will move to the Menu Setup Function.

2 MPIO FD100 Function

1. Basic Function



1. Power ON/OFF
- If you press the ⏻ button for long, the power is ON/OFF.

2. Volume Control
- To turn up the volume: + button
- To turn down the volume: - button

⚠ If you press the Volume button for long, the volume will rise and fall rapidly.

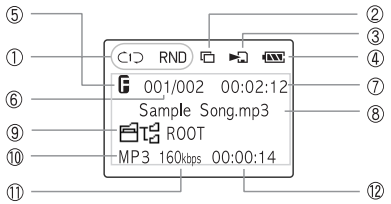
3. Playback/FM Mode Switch
1) Convert the Playback Mode into FM Mode
   - Press the F button for long in the Playback Mode.
2) Convert the FM Mode into Playback Mode.
   - Press the F button for long in the FM Mode.

4. Enter to the Power Menu
- Place the Joy Stick Key at the center and press it for long in the Playback/FM Mode.
  * If you press the F button shortly in the Power Menu, you will move to the upper item of each menu.

2. Playback Mode

1. Description of player's LCD

* The screen below was made discretionary to describe the LCD information.



1. Line	1. Repeat Icon	It displays the status of Repeat Menu Setup.
	2. Folder Icon	It appears when a folder mode in the menu item is set as used.
	3. SMC Icon	In case SMC is inserted Icon is displayed. In case music stored in SMC is played Icon is displayed.
	4. Battery Icon	It displays remaining capacity of the battery by the three levels.
	5. Equalizer	It displays the status of Equalizer Setup.
	6. Numbers of stored track in memory	In case of Folder Mode in the Menu is set as Disable : Number of Playing Track/ Numbers of stored track in memory In case of Folder Mode in the Menu is set as Enable : Number of Playing track among the ones saved in the Folder/Numbers of saved track in the Folder
	7. Total Track Time	The whole playing time of the file is played, is displayed.
2	8. File Information	While a file is played, a file information(File name, ID3 Tag Information) is scrolled.
3. Line	9. Detail Information	Name of the folder in which the file is located is displayed. * If you press the F button shortly while playing a file, it will be switched to the Visualization Mode. L R
4. Line	10. File Format	Extension name of the file played is displayed.
	11. Bit Rate	Bit Rate of the file played is displayed. * If the Study Mode is setup, the Study Mode Icon will be displayed. SP EF
	12. Elapsed Track Time	Playing time of a file is playing, is displayed. * If you control the volume while playing a file, volume level is displayed.

2. Playback Mode

1) Table of Button Behavior

* The table below is the list of Button Behavior of FD100 in the Playback Mode.
  - ●> : It means to press the button shortly.
  - ●●●> : It means to press the button for over one second.

		Pause State	Play State
PLAY/PAUSE	●>	Selected Music Playing	Pause the Music Playing
	●●●>	Power OFF	Power OFF
REW	●>	Move to the Previous Music	Previous Music Playing
	●●●>	Search the Previous Music Continuously	Fast Rewind
MODE	●>	Enter the Folder	
	●●●>	Enter the Menu	Enter the Menu
FF	●>	Move to the Next Music	Playing the Next Music
	●●●>	Search the Next Music Continuously	Fast Forward
REC	●>	Voice Record	Mark Replay
F	●>	Move to the Upper Folder	Visualization Mode
	●●●>	Switch to the FM Mode	Switch to the FM Mode
VOLUME +	●>	Turn Up the Volume	Turn Up the Volume
	●●●>	Turn Up the Volume Continuously	Turn Up the Volume Continuously
VOLUME -	●>	Turn Down the Volume	Turn Down the Volume
	●●●>	Turn Down the Volume Continuously	Turn Down the Volume Continuously

2) Basic Function

* Play/Pause
  - The music file will be played if you press the ⏯ button in the pause state.
  - If you press the ⏯ button in the play state, the file will be paused.

* REW/FF
  - If you want to move to the previous music, lift the Joy Stick Key to the direction of REW.
  - If you want to move to the next music, lift the Joy Stick Key to the direction of FF.
  - Press the Joy Stick Key for long to the direction of REW to operate Fast Rewind function.
  - Press the Joy Stick Key for long to the direction of FF to operate Fast Forward function.

* Move to/from the Folder
  [Move to the Folder]
  - Move to a folder by shifting the Joy Stick Key upward or downward, and press the Joy Stick Key.

  [Move from the Folder]
  - If you press the F button after entering the folder, you will move to the upper folder or upper item.

* Mark Replay
  - If you press the REC button while a file is played, Mark Replay function will be operated.
    A. Hit the REC button on the interval which is to be repeated. (Interval A is selected.)
    B. Hit the REC button at the end of the interval. (Interval B is selected.)

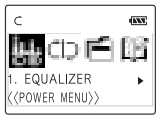
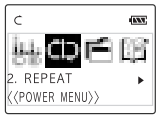
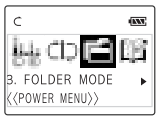
⚠ In order to cancel the Mark Replay function, press again the REC button.

* Navigation
  - While you play music file, you can select the next music using the Music Search Function
    A. Press the Joy Stick Key for long to enter the Menu Mode.
    B. Move to the NAVIGATION Menu by shifting the Joy Stick Key and enter the NAVIGATION MENU by pressing the Joy Stick Key.
    C. After selecting a music which to be played by Joy Stick Key and press the button.

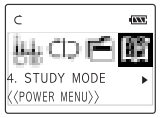
3. Power Menu Setup

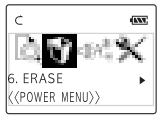
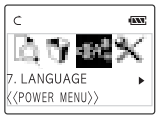
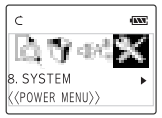
1) Power Menu

⚠ If you press the F button shortly in Menu, you will move to the upper item.

Menu	Lower Item	Detail Information
[EQUALIZER] 	Select the Equalizer Mode according to the genre of music.	
	1. FLAT	Play in FLAT Mode.
	2. POP	Play in POP Mode.
	3. ROCK	Play in ROCK Mode.
	4. JAZZ	Play in JAZZ Mode.
	5. CLASSIC	Play in CLASSIC Mode.
	6. VOCAL	Play in VOCAL Mode.
	7. DYNAMIC BASS	Play in BASS Mode.
	8. USER	You can change the 5 levels of frequency (100/500/2K/7K/12KHz)to the value you wish to set.
[REPEAT] 	Select the Play Order.	
	1. NORMAL	Play sequentially
	2. REPEAT TRACK	Repeat the Track Selected.
	3. REPEAT ALL	Play the whole music continuously in consecutive order.
	4. RANDOM	Play Randomly.
[FOLDER MODE] 	Decide if playing the whole music stored in the memory or the music stored in the specified folder.	
	1. DISABLE	Play the Whole Music Stored.
	2. ENABLE	Play the Specific Folder Selected.
	* The music not stored in the folder is considered as stored in the top-level folder (ROOT). * The Player plays music files as you set 'REPEAT' and 'FOLDER MODE', the following table shows how the setting works accordingly.	

	TIP	FOLDER MODE: DISABLE	FOLDER MODE: ENABLE
REPEAT	**NORMAL**	Play the whole music saved in the memory once in consecutive order and stop.	Play the whole music stored in the specific folder once in consecutive order and stop.
REPEAT	**REPEAT TRACK**	Repeat the current music continuously.	Repeat the current music continuously.
REPEAT	**REPEAT ALL**	Repeat the whole music saved in the memory continuously in consecutive order.	Repeat the whole music stored in the specific folder continuously in consecutive order.
REPEAT	**RANDOM**	Repeat the whole music saved in the memory continuously in random order.	Repeat the whole music stored in the specific folder continuously in random order.

[STUDY MODE] 	Control the Speed Control Function useful in learning foreign languages, and Easy Finder Function by which you can easily move within the file while it is played.		
	1. SPEED CONTROL	1. OFF	Not use the Speed Control Function
		2. USER	You can control the playing speed of a file in 9 levels, as 50%, 60%, 75%, 88%, 100%, 125%, 150%, 175% and 200%.
		Speed Control function is applied only to the MP3 file at the Sampling Rate of 22.05KHz or under below.	
	2. EASY FINDER	1. OFF	Not use the Easy finder Function.
		2. 1STEP	When you search using the Joystick while a file is played, it will move the amount of about 5 sec.
		3. 2 STEP	When you search using the Joystick while a file is played, it will move the amount of about 10 sec.
[NAVIGATION]	While you play a music file, you can select next music using the NAVIGATION Menu.		

Menu	Lower Item	Detail Information
[FILE ERASE] 	You can delete a file stored in the internal memory of the FD100.	
	1. ERASE ALL	Delete all Files Stored.
	2. ERASE FILE	Delete the File Selected.
[LANGUAGE] 	Select a language to be displayed in the Menu Item of FD100.	
	1. ENGLISH	Display the Menu List in English.
	2. KOREAN	Display the Menu List in Korean.
	3. JAPANESE	Display the Menu List in Japanese.
	4. CHINESE	Display the Menu List in Chinese.
[SYSTEM] 	You can change the running status of FD100 from this menu.	
	1. BACKLIGHT	Control the duration of Backlight when the button is pressed.
		1. DEFAULT: When the button is pressed, the Backlight maintains for 3 sec.
		2. USER: You can control the duration of Backlight at the unit of 3 to 30 sec.
		3. OFF: Not use the Backlight Function.
	2. AUTO PLAY	After turning on the power, control auto play of music.
		1. DISABLE: Play a file by pressing the Play button(▸▸), after the power is on.
		2. ENABLE: Play a music file right after the power is on.
	3. PLAY POSITION	You can select the Resume Function remembers and plays the part played right before the power was turned off.
		1. INITIAL: When a file is played, it plays from the beginning of the file played at last before it was completed. (Resume Function unused.)
		2. STOPPED: When a file is played, it remembers and plays the part paused before the power was turned off. (Resume Function used)

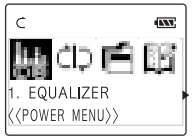
	4. AUTO POWER OFF	You can set the function of switching off when no button is pressed for a certain time in the pause state.
		1. DEFAULT: In case no button is pressed for 3 min. in the pause state, it will be completed automatically.
		2. USER: You can control time of Auto Off at the unit of 3 to 30 minutes.
	5. SLEEP MODE	Function of adjusting the time of Auto Off.
		1. OFF: Not use the SLEEP MODE.
		2. USER: You can adjust the desired time of Auto Off to 3 to 60 minutes.
	* The set point of the Switch Off function will be converted to OFF after the power turned off.	
	6. DISPLAY TITLE	Select file information to be displayed on the LCD screen while a file is played.
		1. TAG INFO: Display ID3 Tag information on the LCD while the file is played.
		2. FILE NAME: Display file name on the LCD while the file is played.
	7. SCROLL WIDTH	Select the switching speed of the file information displayed on the LCD.
		1. DEFAULT: File information scroll the 16 width on the LCD.
		2. USER: You can control the scroll speed of 8 level(16, 32, 48, 64, 80, 96, 112, 128 width).
	8. INFORMATION	Display the Firmware Version, Internal Total/Free Memory, External Total/Free Memory information.

2) Power Menu Setup

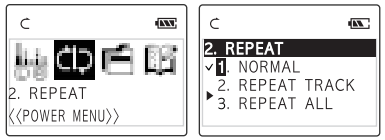
- Enter the Power Menu by pressing the Joy Stick Key for long.
- Select a menu of which setup status to be changed by shifting the Joy Stick Key downward and upward and press the Joy Stick Key for long.
- Change the setup status by shifting the Joy Stick Key upward and downward, and save the setup status by pressing the Joy Stick Key.
- Move to the Upper List by pressing the F button.

Ex) Change the setup status of the REPEAT Menu

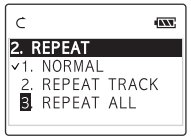
1. Enter the Power Menu by pressing the Joy Stick Key for long.



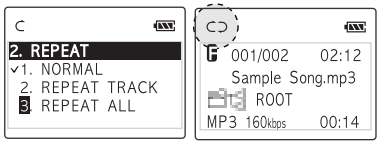
2. Select the Repeat Menu by shifting the Joy Stick Key from the Power Menu and enter the REPEAT Menu by pressing the Joy Stick Key.



3. Move to the Repeat All Item by shifting the Joy Stick Key.



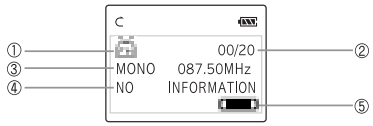
4. Save the setup status by pressing the Joy Stick Key in the Repeat All Item.



5. Press the F button and move back to the MP3 File Play Mode.

3. FM Mode

1. Description of player's LCD



1 Line

1. FM Icon - It displays the status of FM Mode.
2. Numbers of stored station - It displays Number of Stations stored / Number of Stations can be stored.

* In the initial setting, no station is stored.

TIP

[Station]
The station means the status of channel(frequency) is stored.

2 Line

3. Sound Mode & Channel - It displays Sound Mode and receiving Channel(Frequency).

3 Line

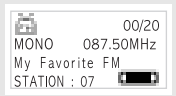
4. Detail Information
   - In case of Channel Search Mode, NO INFORMATION is displayed.
   - In case of Station Search Mode, the detail information of receiving station is displayed.
   - * In case station information is not stored, the next station will be displayed.
   - * Refer to the FM Stations Editor Item (page 25) of MPIO Manager2, in order to save detailed information of Station.

4 Line

5. Mode Icon
   - In case of Channel Search Mode, icon is displayed.
   - In case of Station Search Mode, icon is displayed.

Station Number

- In case of the receiving Channel is stored in the Station in the Channel Search Mode, the Station Number is displayed.
- * If the Channel receiving is not stored in the Station, it is not displayed.
- In case of Station Search Mode, the Number of Station receiving is displayed.



2. FM Mode

1) Table of Button Behavior

⚠ - FM reception can be fuzzy according to the regions.
- The output in the FM Mode is a little lower than the output in the Playback Mode.

* The table below is the list of Button Behavior of FD100 in the FM Mode.
●> : It means to press the button shortly.
●●●> : It means to press the button for over one second.

		Channel Search Mode Status	Station Search Mode Status
PLAY/PAUSE	●●●>	Power OFF	Power OFF
REW	●>	Channel Decrease by 1 Step	Previous Station
	●●●>	Auto Search for the Previous Channel	Station Decrease Continuously
MODE	●●●>	Enter the Menu	Enter the Menu
FF	●>	Channel Increase by 1 Step	Next Station
	●●●>	Auto Search for the Next Channel	Station Increase Continuously
REC	●>	FM Record	FM Record
F	●>	Switch to the Station Search Mode	Switch to the Channel Search Mode
	●●●>	Switch into the Playback Mode	Switch into the Playback Mode
VOLUME +	●>	Turn Up the Volume	Turn Up the Volume
	●●●>	Turn Up the Volume Continuously	Turn Up the Volume Continuously
VOLUME -	●>	Turn Down the Volume	Turn Down the Volume
	●●●>	Turn Down the Volume Continuously	Turn Down the Volume Continuously

⚠ The initial Setting of the FM Mode is the Channel Search Mode.

2) Basic Function

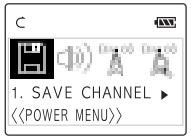
[Channel Search/High-Speed Search]

- In case of shifting the Joy Stick Key to the direction of REW: Channel decreases by 1 Step.
- In case of shifting the Joy Stick Key to the direction of FF: Channel increases by 1 Step.
- In case of pushing the Joy Stick Key to the direction of REW for long: Auto Search for the Previous Frequency Band.
- In case of pushing the Joy Stick Key to the direction of FF for long: Auto Search for the Next Frequency Band

[Save Channel Setup]

● Save the Channel you are receiving in the Channel Search Mode.

1. If you want to save the receiving Channel, press the Joy Stick Key to move to the Menu Mode.



2. Select the Save Channel Menu by using the Joy Stick Key and assign the Station Number by shifting the Joy Stick Key.

3. Save the Channel in the Station by pressing the Joy Stick Key.

4. Move to the FM Mode by pressing the F button shortly.

⚠ You can save up to 20 Stations.

[Station Search]

● You can move between the Stations saved, only in the Station Search Mode.
⚠ In case there is no Station stored, the message, NO STATION!!! Will be displayed in the LCD and switch to the Channel Search Mode automatically.

1. In case of the Channel Search Mode, convert to the Station Search Mode by pressing the F button shortly. The icon indicates the Station Search Mode will be displayed on the LCD.
2. Move the Station by using the Joy Stick Key.
   - If you shift the Joy Stick Key to the direction of REW: Move to the Previous Station
   - If you shift the Joy Stick Key to the direction of FF: Move to the Next Station

⚠ If you press the F button again shortly, you will move from the Station Search Mode and it will covert to the Channel Search Mode.

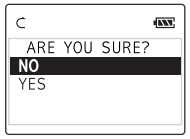
[Auto Preset Setup]

- You can save channels searched from the Frequency Range in disregard of the existing Station.

⚠ In areas of weak FM reception, you may not perceive the frequency.

1. Move to the Menu Mode by pressing the Joy Stick Key.
2. After select the Auto Preset Menu, check the running status of Auto Preset.

3. If you want to execute the Auto Preset function, select 'Yes' by using the Joy Stick Key.

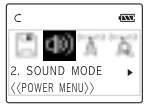


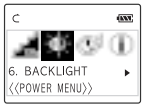
⚠ - In case of executing the Auto Preset function, all Stations saved are deleted. So pay attention to this.
- Executing the Auto Preset, You can save up maximum 20 stations.

3) Power Menu(FM) Setup

[Power Menu (FM)]

⚠ If you press the F button shortly in Menu, you will move to the upper item.

Menu	Lower Item	Detail Information
[SAVE CHANNEL]	* Refer to Page 25	- You can save the Channel (Frequency) while receiving it. - Display the storing status of the Station.
[SOUND MODE] 	Select the Sound Mode while receiving FM.	
	1. MONO	Set the Mono Mode while receiving FM.
	2. STEREO	Set the Stereo Mode while receiving FM.

Menu	Lower Item	Detail Information
[FM BAND]	Select the FM Frequency range.	
	1. US/EU/KR/CN	Receiving Frequency Range of 87.5~108MHz.
	2. JAPAN	Receiving Frequency Range of 76~92MHz.
	3. WORLD WIDE	Receiving Frequency Range of 76~108MHz.
[AUTO PRESET]		You can save up maximum 20 stations searched from the Frequency Range in disregard of the existing Station.
[SEEK STEP]	Select the unit of frequency switch in the Channel Search Mode using Joy Stick Key.	
	1. 100KHz	Switch the FM Channel to the unit of 100KHz.
	2. 50KHz	Switch the FM Channel to the unit of 50KHz.
[BACKLIGHT] 	Select the duration of Backlight when the button is pressed.	
	1. DEFAULT	When the button is pressed, the Backlight maintains for 3 sec.
	2. USER	You can control the duration of Backlight at the unit of 3 to 30 sec.
	3. OFF	Not use the Backlight Function.
[SLEEP MODE]	Reserve the time of Switch Off.	
	1. OFF	Not use Sleep Mode.
	2. USER	You can adjust the desired time of Auto Off to 3 to 60 minutes while playing a file.
	* The set point of Sleep Mode will be converted to OFF after the power is turned off.	
[INFORMATION]		Display the Firmware Version, Internal Total/Free Memory, External Total/Free Memory information.

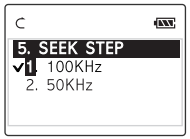
[Power Menu (FM) Setup]

1. Enter the Power Menu, by pressing the Joy Stick Key for long.
2. Select a menu which to be changed by shifting the Joy Stick Key right and left and press the Joy Stick Key.
3. Change the setup by shifting the Joy Stick Key (upward & downward) and save the setup status by pressing the Joy Stick Key.
4. Press the F button and move to the upper item.

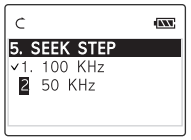
Ex) Change the Setup Status of the SEEK STEP Menu

1. Enter the Power Menu by pressing the Joy Stick Key for long and Select the SEEK STEP Menu by shifting the Joy Stick Key.

2. Enter the SEEK STEP Menu by pressing the Joy Stick Key.



3. Move to the 50KHz Item by shifting the Joy Stick Key.
4. Save the setup status by pressing the Joy Stick Key in the 50KHz Item.



5. Press the F button and move to the FM Mode.

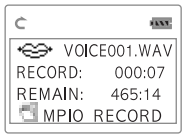
4. Record Function

TIP

A file created from the record function of FD100, will be stored in the MPIO RECORD Folder which the MPIO reserved.
* The record file is stored at the bit rate of 33Kbps.
* In case the recording time is less than 5 sec., record file is not produced.

1. Voice Record

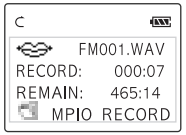
1) If you press the REC button in the pause state of Playback Mode, it starts to record voice.



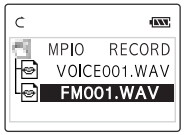
2) If you want to complete the voice record, press the REC button again.
3) The voice record files are stored in the MPIO RECORD folder by the file name of VOICE001.WAV, VOICE002.WAV etc..

2. FM Record

1) In case pressing the REC button while receiving FM, it starts to record FM.



2) If you want to stop the FM Record, press the REC button again.
3) The FM record files are stored in the MPIO RECORD folder by the file name of FM001.WAV, FM002.WAV etc.



TIP

- The MPIO RECORD folder is reserved by MPIO. Please pay attention not to use name of MPIO RECORD Folder.
- The record file is saved in the internal memory. Make sure the file is not produced in the Memory Card.

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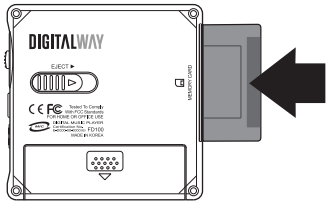
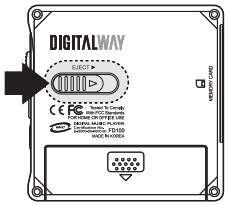
5. How to use SMC

- If the external memory is needed, SMC(Smart Media Card) can be used.

⚠ When you insert or remove SMC, make sure to turn the power of MPIO off.
MPIO supports 3.3V SMC Card.



1. When you insert SMC, push it to the end.



2. When you eject SMC, push the Eject Slide to the direction of the arrow.

3 MPIO Remote Control

1. MPIO RC1 Introduction

1. Features of MPIO RC1

(1) Graphic LCD
- The Graphic LCD enables you to check the file information on the LCD of the Remote Control.

(2) Blue LED Backlight
- The LED Backlight enables you to check the file information with ease at night.

(3) Remote Control Menu Function
- You can change the Setup Status of the Menu on the Remote Control. (Equalizer, Repeat, Folder Mode, Study Mode, Save Channel, Sound Mode)

(4) Joy Stick Key
Joy Stick Key enables you to use the button easily.

2. Specifications of MPIO RC1

Model Name	MPIO RC1
Dimensions/Weight	75.4(W) x 17.6(H) x 9.8(D) mm / 27g
LCD	FSTN Type 1 Line LCD (Indigo Blue LED Backlight)
Language Displayed	English/Korean/Japanese/Chinese

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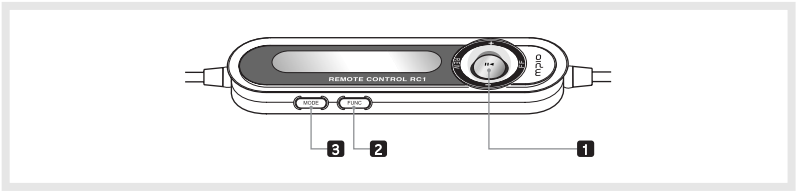
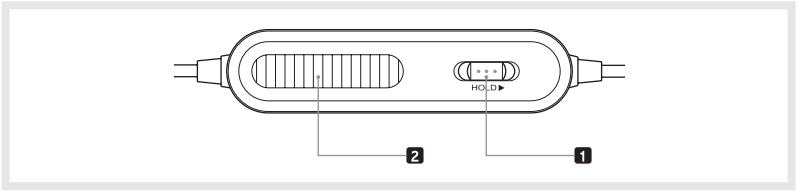
3. Control's Overview



1) Joy Stick Key
   - You can execute the Power ON/OFF, Volume Up/Down, Music Switch & High Speed Search Function using the Joy Stick Key.
2) FUNC Button
   - It performs functions of Mode Switch and Playback/FM Move to the Upper Folder.
3) MODE Button
   - This button performs Record Function, Mark Replay Function, Menu Mode Switch Function etc..

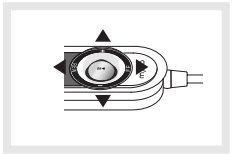


1) Hold Slide
   - Prevent misoperation by setting the button on the Remote Control locked.

   ⚠ Remote Control and the Hold Slide on the main body run separately.

2) Skid-Proof Device

4. How to use Joy Stick Key of MPIO RC1

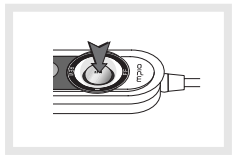


Joy Stick Key works as volume control when it is pulled Downward/Upward and as FF/REW or when pulled Left/Right.
When the Joy Stick Key is placed at the center and pressed, it executes Play/Pause button function.

2. Function of MPIO RC1

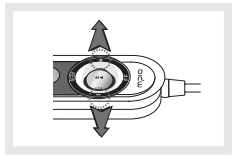
1. Basic Function

(1) Power ON/OFF



-> Press the Joy Stick Key for long.

(2) Volume Control



-> Push the Joy Stick Key to direction of +/-.

⚠ If you push the Joy Stick Key for long, the volume will rise and fall rapidly.

(3) Playback/FM Mode Switch

- Convert the Playback Mode into FM Mode
  -> Press the Func button for long in the Playback Mode.
- Convert the FM Mode into Playback Mode.
  -> Press the Func button for long in the FM Mode.

(4) Enter to the Power Menu

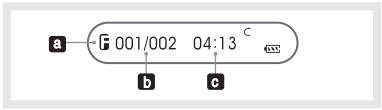
- Press the Mode button for long in the Playback/FM Mode.

2. Playback Mode

(1) Change the Display of Remocon's LCD

- If you hit the Func button shortly while playing a file, the LCD of Remocon. will be changed. Each LCD displays from the 1st to 4th line of LCD of FD100 in the Playback Mode state, in consecutive order.
- Visualization Mode is not supported in the LCD of Remocon.

[Playback LCD Mode 1]



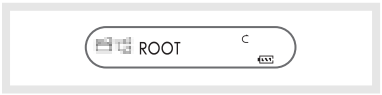
1) Icon Collection
   - Repeat Icon:
     It displays the status of REPEAT Menu setup.
   - Folder Icon:
     It appears when the FOLDER MODE in the Menu is set as ENABLE.
   - Battery Icon:
     It displays remaining capacity of the battery by the three levels.

2) LCD Information
   a. Equalizer: The Setup status of Equalizer is displayed.
   b. Numbers of stored track in memory
      - In case of Folder Mode in the Menu is set as Disable: Number of Playing Track/ Numbers of stored track in memory
      - In case of Folder Mode in the Menu is set as Enable: Number of Playing track among the ones saved in the Folder/Numbers of saved track in the Folder
   c. Total Track Time: Whole Playing Time of music playing is displayed.

[Playback LCD Mode 2]

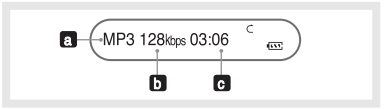
File Information
- While a file is played, a file information(ID3 Tag Information) is scrolled.

[Playback LCD Mode 3]



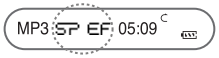
Detail Information
- Name of the folder in which the file is located is displayed.

[Playback LCD Mode 4]



a. File Format :
Extension name of the file played is displayed.

b. Bit Rate :
Bit Rate of the file played is displayed.
* If the Study Mode is setup, the Study Mode Icon will be displayed.



c. Elapsed Track Time :
Display the playing time of the music.
* If you control the volume while playing a file, the volume level will be displayed.

(2) Playback Mode

1) Table of Button Behavior

- The table below is the list of Button Behavior of Remocon in the Playback Mode.
  ●> : It means to press the button shortly.
  ●●●> : It means to press the button for over one second.

		Pause State	Play State
PLAY/PAUSE	●>	Selected Music Playing	Pause the Music Playing
	●●●>	Power OFF	Power OFF
REW	●>	Move to the Previous Music	Previous Music Playing
	●●●>	Search for the Previous Music Continuously	Fast Rewind
FF	●>	Move to the Next Music	Play the Next Music
	●●●>	Search for the Next Music Continuously.	Fast Forward
VOLUME +	●>	Turn Up the Volume	Turn Up the Volume
	●●●>	Turn Up the Volume Continuously.	Turn Up the Volume Continuously.
VOLUME -	●>	Turn Down the Volume	Turn Down the Volume
	●●●>	Turn Down the Volume Continuously.	Turn Down the Volume Continuously.
FUNC	●>	Move to the Upper Folder	Change the display of LCD
	●●●>	Switch to the FM Mode	Switch to the FM Mode
MODE	●>	Voice Record	Mark Replay
	●●●>	Enter the Menu	Enter the Menu

2) Basic Function

• Play/Pause
- The music file will be played if you press the Joy Stick Key in the pause state.
- If you press the Joy Stick Key in the play state, the file will be paused.

• REW/FF
- If you want to move to the previous music, lift the Joy Stick Key to the direction of REW.
- If you want to move to the next music, lift the Joy Stick Key to the direction of FF.
- Press the Joy Stick Key for long to the direction of REW to operate Fast Rewind function.
- Press the Joy Stick Key for long to the direction of FF to operate Fast Forward function.

• Mark Replay
- If you press the Mode button while a file is played, Mark Replay function will be operated.
  -> Hit the Mode button at the beginning of the interval which is to be repeated.
  (Interval A is selected.)
  -> Hit the Mode button at the end of the interval which is to be repeated.
  (Interval B is selected.)
  ⚠ In order to cancel the Mark Replay function, press the Mode Button again.

3) Menu Setup

• Menu
⚠ If you press the Func button shortly in Menu, you will move to the upper item.

Menu	Lower Item	Detail Information
1. EQUALIZER	Select the Equalizer Mode according to the genre of music.	
	1. FLAT	Play in FLAT Mode.
	2. POP	Play in POP Mode.
	3. ROCK	Play in ROCK Mode.
	4. JAZZ	Play in JAZZ Mode.
	5. CLASSIC	Play in CLASSIC Mode.
	6. VOCAL	Play in VOCAL Mode.
	7. DYNAMIC BASS	Play in BASS Mode.
	8. USER	You can change the 5 levels of frequency to the value(100/500/2K/7K/12KHz) you wish to set.

Menu	Lower Item		Detail Information
2. REPEAT	Select the Play Order.		
	1. NORMAL		Play sequentially
	2. REPEAT TRACK		Repeat the Track Selected.
	3. REPEAT ALL		Play the current music continuously.
	4. RANDOM		Play in random order.
3. FOLDER MODE	Decide if playing the whole music stored in the memory or the music stored in the specified folder.		
	1. DISABLE		Play the whole music stored in the memory.
	2. ENABLE		Play the music stored in the specified folder only.
	* The music not stored in the folder is considered as stored in the top-level folder (ROOT). * The Player plays music files as you set 'REPEAT' and 'FOLDER MODE', the following table shows how the setting works accordingly. (Refer to Page 19)		
4. STUDY MODE	Control the Speed Control Function useful in learning foreign languages, and Easy Finder Function by which you can easily move within the file while it is played.		
	1. SPEED CONTROL	OFF	Not use Speed Control Function.
		USER	Control the playing speed of the file in 9 levels, as 50%, 60%, 75%, 88%, 100%, 125%, 150%, 175% and 200%.
	2. EASY FINDER	OFF	Not use Easy Finder Function.
		1 STEP	When you search using the Joystick while a file is played, it will move the amount of about 5 sec.
		2 STEP	When you search using the Joystick while a file is played, it will move the amount of about 10 sec.

• Menu Setup
- Enter the Menu by pressing the Mode button for long.
- Select a menu which to be changed by shifting the Joy Stick Key (left and right) and press the Mode Button.
- Change the setup by shifting the Joy Stick Key (left and right) and save the setup status by pressing the Mode Button.
- Move to the Playback Mode by pressing the Func button.

Ex) Change the setup status of the Repeat Menu

1. Enter the Menu by pressing the Mode button for long.

2. Select the REPEAT Menu by shifting the Joy Stick Key in the Menu and enter the REPEAT Menu by pressing the Mode button.

3. Move to the Repeat All Item by shifting the Joy Stick Key.

4. Save the setup status by pressing the Mode Button in the Repeat All Item.

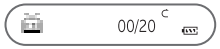
5. You can move to the Playback Mode by pressing the Func button.

3. FM Mode

(1) Change the display of Remocon's LCD

• If you hit the Fucn button shortly while listening FM radio, the LCD of Remocon will be changed. Each LCD displays from the 1st to 4th line of LCD of FD100 in the FM Mode state, in consecutive order.

[FM LCD Mode1]



1) FM Icon: Display the status of FM Mode.
2) Numbers of stored station: It displays Number of Stations stored / Number of Stations can be stored.

⚠ In the initial setup status, no station is stored.

TIP

[Station]

The Station means the status of channel(frequency) stored.

[FM LCD Mode2]

• Sound Mode & Channel: It displays Sound Mode and receiving Channel(Frequency).

[FM LCD Mode3]
Detail Information

1) In case of the Channel Search Mode, the message, NO INFORMATION will be displayed without the detail information about the receiving Channel (frequency) stored.
2) In case of the Station Search Mode, the detail information of receiving Station is displayed.

• In case the Station information is not stored, the nest Station will be displayed.
• Refer to the FM Stations Editor Item(Page 55) of MPIO Manager 2 in order to save the detail information of Station.

[FM LCD Mode4]

• **Mode Icon**
In case of Channel Search Mode, icon will be displayed.
In case of Station Search Mode, icon will be displayed.

• **Station Number**
In case the Channel receiving is stored in the Station, it displays the Station Number, in the Channel Search Mode.

* If the Channel receiving is not stored in the Station, station number is not displayed.
* In case of Station Search Mode, the Number of Station receiving is displayed.

(2) FM Mode

1) Table of Button Behavior

- The table below is the list of Button Behavior of Remocon in the FM Mode.

●> : It means to press the button shortly.
●●●> : It means to press the button for over one second.

		Channel Search Mode Status	Station Search Mode Status
PLAY/PAUSE	●>	Station Search Mode Switch	Channel Search Mode Switch
	●●●>	Power OFF	Power OFF
REW	●>	Channel Decrease by 1 Step	Move to the Pervious Station
	●●●>	Auto Search for the Previous Channel	Station Increase Continuously
FF	●>	Channel Increase by 1 Step	Move to the Next Station
	●●●>	Auto Search for the Next Channel	Station Decrease Continuously
VOLUME +	●>	Turn Up the Volume	Turn Up the Volume
	●●●>	Turn Up the Volume Continuously	Turn Up the Volume Continuously
VOLUME -	●>	Turn Down the Volume	Turn Down the Volume
	●●●>	Turn Down the Volume Continuously	Turn Down the Volume Continuously
FUNC	●>	Switch Display of LCD Switch	Switch Display of LCD Switch
	●●●>	Switch into the Play Mode	Switch into the Play Mode
MODE	●>	FM Record	FM Record
	●●●>	Enter the Menu	Enter the Menu

2) Basic Function

[Channel Search/High-Speed Search]

- In case of shifting the Joy Stick Key to the direction of REW: Channel decreases by 1 Step.
- In case of shifting the Joy Stick Key to the direction of FF: Channel increases by 1 Step.
- In case of pushing the Joy Stick Key to the direction of REW for long: Auto Search for the Previous Frequency Band
- In case of pushing the Joy Stick Key to the direction of FF for long: Auto Search for the Next Frequency Band

[Save Channel Setpu]

Save the Channel you are receiving in the Channel Search Mode.

1. If you want to save the receiving Channel, press the Mode button for long to enter the Menu.

2. Select the Save Channel Menu by shifting the Joy Stick Key and press the Mode button.

3. Assign the Station Number by using the Joy Stick Key and save the Channel in the Station by pressing the Mode button.

4. If you press the Func button shortly, you will move to the FM Mode.

⚠ - You can save up to 20 Stations.

[Station Search]

- You can move between the Stations saved, only in the Station Search Mode.

1. In case of the Channel Search Mode, Switch to the Station Search Mode by pressing the Joy Stick Key button shortly. The icon in dicates the Station Search Mode will be displayed on the LCD.

2. Move the Station by using the Joy Stick Key.
   - In case of shifting the Joy Stick Key to the direction of REW: Move to the previous Station
   - In case of shifting the Joy Stick Key to the direction of FF: Move to the next Station

⚠ - If you press the Joy Stick Key button shortly again, you will move from the Station Search Mode and to the Channel Search Mode.

3) Menu(FM) Setup

- Menu(FM)

Menu	Lower Item	Detail Information
1. SAVE CHENNEL		You can save the Channel (Frequency) while receiving.
2. SOUND MODE	Select the Sound Mode while receiving FM.	
	1. MONO	Setup the Sound Mode for Mono setting.
	2. STEREO	Setup the Sound Mode for Stereo setting.

• Menu (FM) Setup

1. Move to the Menu Mode by pressing the Mode button for long.
2. Select a menu which to be changed by shifting the Joy Stick Key left and right and press the Mode Button shortly.
3. Change the setup by shifting the Joy Stick Key (left and right) and save the setup status by pressing the Mode Button shortly.
4. Move to the FM Mode by pressing the Func button.

Ex) Change the setup status of the Sound Mode Menu

1. Move to the Menu Mode by pressing the Mode button for long.

2. Select the Sound Mode Menu by shifting the Joy Stick Key from the Menu, and enter the Sound Mode Menu by pressing the Mode Button shortly.

3. Move to the Stereo Item by shifting the Joy Stick Key.

4. Save the setup status changed by pressing the Mode Button shortly in the Stereo Item.
5. Move to the FM Mode by pressing the Func button.

4. Record Function

• A file created from the record function of FD100, will be stored in the MPIO RECORD Folder which the MPIO reserved.

1. Voice Record

1) When you press the Mode button in the pause state of Play Mode, it starts to record voice.

* If you press the Func button during recording voice, voice record mode on the LCD will be moved in order.

Voice Record Mode 1

Voice Record Mode 2

Voice Record Mode 3

Voice Record Mode 4

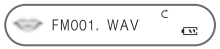
2) If you want to stop the voice record, press the Mode button again.

3) The voice record files are stored in the MPIO RECORD folder by the file name of VOICE001.wav, VOICE002.wav etc.

The record file is stored in the internal memory. Make sure the record file is not produced in the Memory Card.

2. FM Record

1) In case pressing the Mode button while receiving FM, it starts to record FM.



* If you press the Func button during recording FM, voice record mode on the LCD will be moved in order.

FM Record Mode 1

FM Record Mode 2

FM Record Mode 3

FM Record Mode 4

2) If you want to stop the FM Record, press the Mode button again.

3) The FM record files are stored in the MPIO RECORD folder by the file name of FM001.wav, FM002.wav etc.

- The record file will be saved at the bit rate of 33Kbps.
- In case the recording time is less than 5 sec., no record file will be produced.

4 MPIO Manager 2 Program

1. MPIO Manager 2 Installation

MPIO Manager2 is the Communication Window between the computer and MP3 Player. You can download a music file (MP3/WMA/ASF) stored in the PC to MPIO and upload a file (data file/record file etc.) stored in MPIO to the PC.

- Due to the copyright restrictions on Music File (MP3/WMA/ASF), you cannot upload it to the computer.
- If you install MPIO Manager 2 program on the PC while it is connected to MP3 Player, the Manager Program might misoperates. Please remove USB Cable from PC before installing MPIO Manager 2 program.

1. Turn the power of the PC on and insert the Install CD into the CD-ROM driver.
   : The Install Menu Screen will display automatically.
   - If the Install CD is not run automatically, double-click on [My Computer] on the desktop.
   - Select CD-ROM Driver(D: or E:) and run the install CD by double-clicking it.

2. Click on the MPIO Manager2 in install Menu.
   : MPIO Manager 2 Setup Window appears.

3. This is the MPIO Manager 2 Install Wizard. Click [NEXT], if you agree to install.

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4. If you agree to the stipulations, click on the 'Yes' button.

5. Assign the Installation Path of MPIO Manager 2. In order to assign a different path, click on the Browser button to select a location of the program installation.

6. Assign the location of MPIO Manager 2 in the program folder.

7. MPIO Manager 2 is installing. If the installation is completed, MPIO Manager 2 icon will be produced on the desktop.

2. Connecting MPIO to the Computer

1. Connect the USB cable to the USB Port in the computer.
2. Turn the power of MPIO on and connect the USB cable to the MPIO.
3. Check the USB CONNECTED message on the MPIO LCD.
4. Run MPIO Manager 2.

3. When MPIO is not connected to the Computer

After connecting the MP3 Player to the computer and running Manager2, if the memory information parts of Manager2 not indicate memory size, please perform as follows;

In case of Windows 98/SE/ME

1. Insert the Product Installation CD into the CD-ROM driver.

2. Move into the [Device Manager] by selecting the [Properties] of [My Computer].

3. Search Digitalway Audio Player item in the [Device Manager].
   * The Digitalway Audio Player item may be displayed as a Question Mark (?)/ Exclamation Mark(!) item or Other Items/Unknown Device.

4. Double-click the "Digitalway Audio player" item.

5. When Properties Window of the items above appears, Select [Driver] tab and click [Driver Update].

6. If the Driver Update Wizard is run, click on the 'Complete' button.

7. Select [Search for better driver than the one your driver is using now (Recommended)] button.

8. Assign the location of the driver to be searched to the CD-ROM driver.

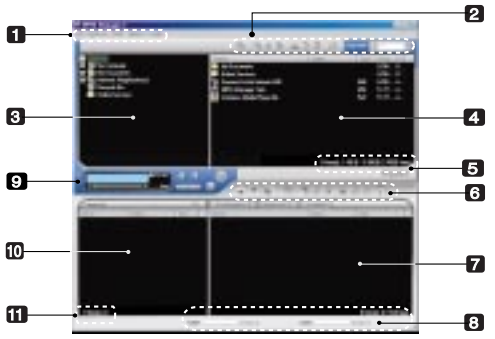
9. If the driver installation is completed, click on the 'Complete' button.

In case of Windows 2000/XP

1. Insert the Product Installation CD into the CD-ROM driver.
2. Select [My Computer]/[Properties]/[Hardware]/[Device Manager].
3. Double-click "Digitalways Audio player" item from the [Device Manager].
   * The Digitalway Audio Player item may be displayed as a Question Mark (?)/ Exclamation Mark(!) item or Other Items/Unknown Device.
4. If the Properties Window of items above, click on the [Driver Update] item.
5. If the Driver Update Wizard is run, click on the 'Complete' button.
6. Select [Install from a List or a Specific Location (Advanced)].
7. Select [Search Removable Media (floppy, CD-ROM)] from [Search the Most Suitable Driver at this Location].
8. If the driver installation is completed, click on the 'Complete' button.

4. How to use MPIO Manager 2

1) Control's Overview



1. Menu Bar
2. PC File (Folder) Managing Part - Manages Files(Folders) on the PC.

Icon	Icon Name	Description
	Up Level	Move to the Upper Folder
	New Folder	Create a New Folder on the PC.
	Refresh	Displays the updated status of the PC.
	Delete	Delete the Selected File (Folder).
	Cut	Cut the Selected File (Folder).
	Copy	Copy a File (Folder).
	Paste	Paste the Copied or Cut File (Folder).
	ID3 Tag Edit	Edit ID3 Tag Information of MP3 files stored on the PC.

3. PC Explorer Window - Moves to the folder in which the music files are located through the PC Explorer Window.

4. PC List Window - Displays a File List stored in the folder selected on the PC Explorer Window.

5. PC Memory Information Part

6. Memory File (Folder) Managing Part
   - Manages files(folders) in the internal memory & memory card of MPIO.

Icon	Function	Description
	Download	Download file(folder) to MPIO.
	Upload	Upload file(folder) to the PC.
	Stop	Stop file transfer.
	Up Level	Move to the upper folder
	New Folder	Create a new folder in the memory
	Refresh	Display the memory status updated.
	Delete	Delete the file(folder) selected.
	Cut	Cut the file(folder).
	Copy	Copy the file(folder).
	Paste	Paste the file(folder) copied or cut.
	Properties	Display the information of track saved in MPIO and you can check the available to speed control function.

7. Memory List Window
   - It shows file list stored in the MPIO.
   - You can find the lists by selecting Internal Memory/Memory Card/All Memory.

8. Memory Information Part

9. MPIO Audio - Plays files stored on the computer (MP3/WMA/ASF/WAV).

10. Audio List Window - Shows Audio Play List.

11. Audio Information Part

2) Menu Table of MPIO Manager 2

* Below is the Table of Operation of Each Items from the MPIO Manager 2 Menu.

MENU	SUB ITEMS		DESCRIPTION
File	Download File(s) to MPIO		Download a file (folder) stored in the PC to MPIO.
	Upload File(s) to PC		Upload a file (folder) stored in MPIO to the PC.
	Erase File(s)		Delete the file (folder) selected.
	Rename File		Change file (folder) name.
	New Folder	PC	Create a new folder on the PC.
		MPIO Internal Memory	Create a new folder in the internal memory.
		MPIO Memory Card	Create a new folder in the memory card.
	Exit		Complete MPIO Manager 2.
Memory	Format Internal Memory		Format internal memory.
	Format Memory Card		Format Memory Card.
	Please note that all the files (folders) stored in the memory will be deleted after Formatting the memory and the working status of the device will be changed to the initial setup status.		
Tools	ID3 Tag Editor		Edit ID3 Tag information of an MP3 file saved in the computer.
	Logo Editor		You can create a Logo File to display on the LCD.
	FM Stations Editor		Save channel and detail information of station to display on the LCD.
	Firmware Upgrade		Performs Firmware Upgrade.
Option	Set Window Font		Select a font used in the Manager2.
	Download MPIO Font		You can display file names in the language of each countries by storing the Font into the MPIO.
	Erase Font In MPIO		Erase the Font stored in the MPIO.
	Skin		You can use a selected Skin of Manager2.
	Language		Select a language to be used in the Manager2.
	Layout		Select whether to apply the display tool tip.
Help	Visit Digitalway's Web Site		Move to the MPIO Web Site.
	About MPIO Manager2		Displays the MPIO Manager 2 information, MPIO Firmware information.

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3) Basic Function

A. File Download

1. Turn the power of MPIO on and connect the USB cable to the PC and MPIO.
2. Check the "USB CONNECTED" message on the MPIO LCD.
3. Run MPIO Manager 2.
4. Check Internal Memory/ Memory card size in the Memory Information Part.
5. By using PC Explorer Window, Move to the folder in which the music files are located.
6. File name stored in the selected folder appears on the PC List Window.
7. Select a file on the PC List Window and click on the 'Download' button.
8. Check the condition of the file downloaded on the Memory List Window.

⚠ If you want to download a file to the Memory Card, please select the memory card tab and execute downloading.

B. File Upload

1. Turn the power of MPIO on and connect the USB cable to the PC and MPIO.
2. Check the "USB CONNECTED" message on the MPIO LCD.
3. Run MPIO Manager 2.
4. Check Internal Memory/ Memory card size in the Memory Information Part.
5. Select a folder saved to be file uploaded on the PC Explorer Window.
6. Select a file on the Memory List Window and click on the 'Upload' button.
7. Check the condition of the file downloaded on the PC List Window.

⚠ Music File (MP3/WMA/ASF) Upload to PC is prohibited by the copyright.

C. Memory Format

1. Turn the power of MPIO on and connect the USB cable to the PC and MPIO.
2. Check the message, "USB CONNECTED" on the MPIO LCD.
3. Run the MPIO Manager 2.
4. Check the Internal Memory/ Memory size card in the memory information part.
5. Select a Memory Item from Menu Bar of the MPIO Manager 2.
6. Select a Memory you perform format in.
7. If a confirmation window for memory format appears, select 'OK' button.

   If you format the memory, all the files stored in the designated memory, including font file are deleted.

⚠ Make sure the working status of device will be changed to the initial setup status, when you format the internal memory.

D. Font Download/Erase

a. Font Download

: If save a font in the device, file names of language of each country will be displayed on the LCD.

1. Turn the power of MPIO on and connect the USB cable to the PC and MPIO.
2. Check the message, "USB CONNECTED" on the MPIO LCD.
3. Run the MPIO Manager 2.
4. Check the Internal Memory/ Memory card size in the memory information part.
5. Select the option item from the Menu Bar of the MPIO Manager 2.
6. Select a Download MPIO Font item.

⚠ The font occupies 2MB of the internal memory.

b. Font Erase

: If the font is not needed, you can delete the one stored in the MPIO.

1. Turn the power of MPIO on and connect the USB cable to the PC and MPIO.
2. Check the message, "USB CONNECTED" on the MPIO LCD.
3. Run the MPIO Manager 2.
4. Check the Internal Memory/ Memory size card in the memory information part.
5. Select the option item from the Menu Bar of MPIO Manager 2.
6. Select an Erase Font in MPIO item.

4) Application Function for Power User

A. ID3 Tag Editor

: Provides ID3 Tag editing function of the MP3 files stored on the computer.

TIP

[ID3 Tag]
It means the space in which information of relevant files (Title, Singer, Genre etc.) within the MP3 files is stored.

1. Run the MPIO Manager 2.
2. Select a file of which you want to edit ID3 tags on the PC List Window.
3. Choose ID3 Tag Editor in the Tools item on the Menu Bar.
   (You can execute this by selecting icon in the PC File Managing Part.)
4. Change the ID3 Tag information and click on the Update button.

! You can not change ID3 Tag information of the MP3 file stored in the internal & memory card of the MP3 Player.

B. Logo Editor

: You can display a self-made Bitmap file after transforming it into the Logo file.

1. Create a Bitmap file with a size of 128x64.

! The logo file can not be applied to the Remocon's LCD.

2. Select the Tools in MPIO Manager2 menu and click the Logo Editor, then the Logo Editor Window is displayed.
3. Select 128x64 from the Image Size Item of the Logo Editor.
4. Search the file in which the Bitmap file is stored by clicking the button with Bitmap to Logo.
5. When you select the Bitmap file and click on the Open Button, a log file with the same file name as the Bitmap file will be created.
6. Click on the New Button of the Logo Editor to save the file.
   (You can find the file name is recorded in the File Name Item of the Logo Editor.
7. You can adjust the initial value of volume, Repeat and equalizers in the system setting item of the Logo Editor.
8. If you click the ADD Button from Logo Editor Item to bring the Logo File changed from the Bitmap File. (You can find the logo files are lined up on the editor window.)

! The order of the logo files lined up on the editor window can be reorganized using Drag and Drop function.

9. If you click on the Preview Begin Button, you can find the start logo in the logo image column. (If you click on the Preview End Button, the logo is displayed in the logo image column.)
10. Check the logo image and click on the Save Button.
    * In case the PC is connected to the device, the logo file created can be applied to the device directly.

C. FM Stations Editor

: It stores information about the channel(frequency) to be stored in FM Station and the Station to be displayed on the MPIO LCD.

1. Turn the power of MPIO and connect the USB cable to the PC and MPIO.
2. Check the message, "USB CONNECTED" on the MPIO LCD.
3. Run the MPIO Manager 2.
4. Check the size of internal memory/memory card in the memory information part.
5. Select the Tools item from the Menu Bar of the MPIO Manager 2.
6. Click [FM Stations Editor].
7. When the FM Stations Editor window appears, save FM Station Channel and the detail information.

! You can input the detail information of FM Station with 16 characters in English.

D. Firmware Upgrade

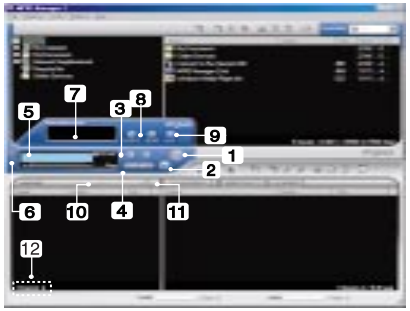
: You can upgrade the Firmware easily, using MPIO Manager 2.
  * The firmware is downloadable on the MPIO Web Site.

1. Store firmware upgrade file on the computer.
2. Turn the power of MPIO on and connect the USB cable to the PC and MPIO.
3. Check the message, "USB CONNECTED" on the MPIO LCD.
4. Run the MPIO Manager 2.
5. Check the size of internal memory/memory card in the memory information part.
6. Select the Tools item from the Menu Bar of the MPIO Manager 2.
7. Click the Firmware Upgrade item.
8. If Firmware Upgrade window appears, search the folder in which the firmware.
9. Select the Player.rom file and click 'Open' button.
10. If firmware upgrade is completed, click on the 'OK' button.

! When the firmware upgrade is completed, the power of the device is turned off automatically. Deletion of the USB cable from the PC and the device before the power is turned off, might cause a damage of the device. Pay attention to this.

5) How to use MPIO Audio

A. Control's Overview



1. Play & Pause Button
2. Stop Button
   - Stop Playing the file.
3. Volume Button
   - Control the volume level.
4. Music Switch Button
   - Play Previous/Next Music.
5. MPIO LCD Window
   • Scrolls the file information playing.
   • Displays the status of the file being played.
   • Displays the Repeat set up in MPIO Audio Player.
   • Displays the setup status of Mute Function.
   • Playing time of a file is displayed.
   • Displays bit rate of the file playing.
6. MPIO Visual LCD Activation Button - Visual LCD Screen is activated.
7. MPIO Visual LCD
   • Display the Visual Screen while playing a file.
8. Repeat Button - Select the play order of the play list.
9. Mute Button - Execute Mute Function.
10. Add/Delete File Button - Add/Delete a File To/From the Play List.
11. File Transfer Button - Transfer Audio Play List File to Memory.
12. Audio Information - Number & Size of the Selected File.

B. Add/Delete File to the Audio List Window.

[Add File]

a. Method 1.
   1. Move to the folder in which music files are located using PC Explorer Window.
   2. File names stored in the selected folder are displayed on the PC List Window.
   3. Select a file on the PC List Window and double-click.

b. Method 2.
   1. Move to the folder in which music files are located using PC Explorer Window.
   2. File names stored in the selected folder are displayed on the PC List Window.
   3. Select a file on PC List Window and click on the '+' button on the Audio List Window.

[Delete File]

1. Select a file you want to delete on the Audio List Window.
2. Click the '-' button on the Audio List Window.

C. Transfer the Audio List to Memory

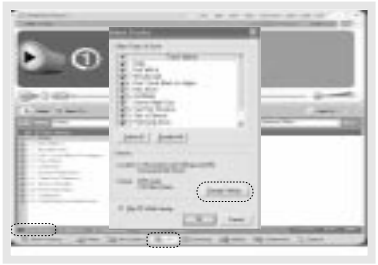
: In order to transfer a file on the Audio List Window to the Internal Memory/ Meomory card of MPIO;

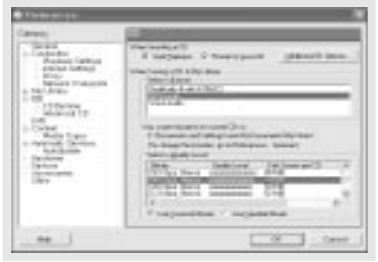
1. Select a file you want to transfer on the Audio List Window.
2. Select a Memory (Internal Memory/ Meomory card) you want to transfer a file to.
3. Click the File Transfer Icon( ).

5 Other Information

1. MP3 File Creation(Ripping) From Audio CD

1. Select a Real Networks item from the MENU of the Install CD, and install the downloaded RealOne Player on the computer.
2. Insert the audio CD into the CD-ROM driver.
3. Run RealOne Player.
4. Click on the CD item.
5. If you click on the 'Save Tracks' Item, Select Tracks Window will appear.
6. Assign a track to be stored on the computer, in the Select Tracks Window.
7. Click on the Change Settings button in the 'Save to' Item.
8. If the Preferences Window appears, select MP3 Audio in the 'Select a Format' Item.
9. Select a bit rate of MP3 file to be generated from the 'Select a Quality level' Item and click on the 'OK' button.
   * MP3 file is stored in the My Music folder on your C: driver. Select 'General' Item in the Preferences Window and choose a folder by clicking on the Browser button on the recorded music file item.
10. Click on the 'OK' button on the Select Tracks Window.





* The RealOne Player the company provides is the special edition that MP3 Encoding Function (56~320Kbps) is added to the Basic ver. Of RealOne Player. Please make sure that the company will not pay additional expenses if you add another function supplied by the RealOne Player Plus.

2. Macintosh iTunes Plug-In Installation

⚠ iTunes Plug-In is not usable in the Mac OS version 9 and below.

1. Turn the power of Macintosh and insert the MPIO Install CD into CD-ROM Driver.
2. Double-click the CD-ROM Icon and the iTunes Plug-In Installer icon in the folder.
3. When iTunes Plug-In for MPIO Read Me Window appears, click on the [CONTINUE] button.
4. When iTunes Plug-In Installer Window appears, click on the [Install] button.
5. When the message, Installation was successful appears, click on the [Quit] Button.

⚠ iTunes 2 Plug-In is scheduled to be supplied on the MPIO Web Site later.

3. Trouble Shooting

Q1. I connected the MPIO to the PC, however the message, "USB CONNECTED" does not appear on the MPIO LCD.

A1. Check if the power of MPIO is on and the USB cable is inserted into the MPIO.

Q2. Music file stored in the MPIO is not uploaded to the PC.

A2. Due to the copyright restrictions on Music File (MP3/WMA/ASF), you cannot upload it to the PC except for the data file, WAV file etc.

Q3. I opened the music folder in the MPIO Manager 2, however no music file was seen.

A3. Check the File Type on top of the right of MPIO Manager 2.

Q4. I wonder if the Smart Media Card(SMC) used in other equipment is available in MPIO.

A4. Format the SMC in the equipment used for the existing SMC and the memory card from the MPIO Manager 2 Memory Menu by putting SMC into the MPIO.

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Q5. After the power is turned off, the values (volume, FM frequency etc.) setup in the Menu are not stored and switched to the data initially setup.

A5. Format the internal memory from the Memory Menu of the MPIO Manager2.
Please note that the files stored in the internal memory will be deleted after the internal memory is Format.

Q6. Where can I confirm the firmware version of MPIO and MPIO Manager 2 version?

A6. You can confirm firmware version and size of external memory & memory card by selecting Information item from the Menu of MPIO. Besides you will find firmware version of MPIO and Manager2 version from Help/About MPIO Manager2.

4. Limited Warranty

Your MPIO FD100 is covered by an digitalway,Inc. Limited Warranty. This product is warranted to be free from manufacturer defects for 120days from the date of purchase. If the product fails or malfunctions due to a manufacturing defect during the warranty period, a refurbished unit of the same make and model or its current equivalent will be provided free of charge.

Warning
: Changes or modifications to this product not expressly approved by digitalway. Inc will void the warranty.
* Damage resulting from an Act of God.

Not covered
: The following are not covered by this Limited Warranty

* Damage from misuse, abuse, or neglect.
* Damage from use outside the product's usage parameters.
* Damage from modification or incorporation of other products.
* Damage from repair or replacement of warranted parts by parties other than digitalway authorized service provider.
* Damage to or loss of any programs or data.
* Damage resulting from an Act of God.

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Memo